

# Stem Cell Information

The official **National Institutes of Health** resource for stem cell research

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## Provider: Maria Biotech Co. Ltd.—Maria Infertility Hospital Medical Institute

Note: These lines are not yet available for shipping.

| Maria Biotech Co. Ltd.—Maria Infertility Hospital Medical Institute Registered Cell Lines (Korea) |   |   |   |
|---|---|---|---|
| NIH Code  | MB01  | MB02  | MB03  |
| Provider's Code   | (MB01)  | (MB02)  | (MB03)  |
| Embryo  |   |   |   |
| Source  | IVF Clinic  | IVF Clinic  | IVF Clinic  |
| Category  | Cryopreservation  | Cryopreservation (27 passages)<br>In vitro (>30 passages)   | Cryopreservation (27 passages)<br>In vitro (>50 passages)   |
| IVF Status  | Were to be discarded 5 years after IVF-ET program   | Were to be discarded 5 years after IVF-ET program   | Were to be discarded 5 years after IVF-ET program   |
| Characteristics   |   |   |   |
| Passage #   | 40  | >30   | >50   |
| Mouse Feeder Cells Used in Isolation  | STO cell feeder (After immunosurgery, isolated ICM cell was cocultured with mouse STO cell and hES cell line was established) | STO cell—feeder free (After immunosurgery, isolated ICM cells were cocultured with mouse STO cell. To grow hES cells without a feeder layer, aged MB02 and MB03 cells that had been passaged 10 times were cultured on Matrigel coated plates, respectively.) | STO cell—feeder free (After immunosurgery, isolated ICM cells were cocultured with mouse STO cell. To grow hES cells without a feeder layer, aged MB02 and MB03 cells that had been passaged 10 times were cultured on Matrigel coated plates, respectively.) |
| Karyotype   | 46 XY, Normal   | 46, XX, Normal  | 46, XX, Normal  |
| Stem Cell Immuno Markers:   |   |   |   |
| SSEA-1  | -   | -   | -   |
| SSEA-3  | +   | +   | +   |
| SSEA-4  | +   | +   | +   |
| TRA 1-60  | +   | +   | +   |
| TRA 1-81  | +   | +   | +   |
| Oct-4   | +   | +   | +   |
| Alkaline Phosphatase  | +   | +   | +   |
| Gender  | Male  | Female  | Female  |
| Frozen/Thawed:  | 40 passages frozen  | 27 passages frozen<br>>30 passages cultured   | >50 passages in vitro culture   |
| Pluripotent   | Yes   | Yes   | Yes   |
| Commercialization   |   |   |   |
| Available   | To scientists in Korea  | To scientists in Korea  | To scientists in Korea  |

|           |         |         |         |
|-----------|---------|---------|---------|
| Price     | Unknown | Unknown | Unknown |
| # Shipped | Unknown | Unknown | Unknown |

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**These cell lines meet the criteria for the use of human embryonic stem cells by federally funded researchers.**

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In your grant applications please use the NIH codes, rather than the providers' codes, to identify the cell lines.

Information about the cell line comes from the provider and has not been independently verified by the NIH.

For any questions about the registry, please e-mail [stemcell@mail.nih.gov](mailto:stemcell@mail.nih.gov) or call 301-496-2691.

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This page was last modified on Monday, July 19, 2004.



National Institutes of Health (NIH)  
9000 Rockville Pike  
Bethesda, Maryland 20892



Department of Health  
and Human Services

